

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

(For Other Works)

Date...../...../2019

Di BBMP, Byatarayanapura

Sub-Division: BBMP, Byatarayanapura

Bill Received No.

Dated

Divisional

Cash Book Voucher No..... Dated.....

Sub Divisional

Work Code: 005-20-000010

Schedule Docket No. Head of Account:

Est.Cost: 99.00 Lakhs D.R.No. :

Name of Work (as per sanctioned estimate): Improvements to Compound Wall and Park Developments in Ward No. 05

Name of Contractor and Full Address : M/s Executive Engineer, KRIDL, Bangalore

Reference to Agreement No. BBMP/EE/BTP/WO/178/2019-20

Date: 24.12.2019

Certified that the measurements were taken by me on 23/01/2020 and recorded of Pages 500513 to 500538 of measurement Book No 5006 | 2019-20

Assistant Executive Engineer,
Contractor Sub-division,

Officer-in-charge of work

Certified that the measurements were taken by me on and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment

Sub-Division Officer

- 1) Total value of work done or supplies made as per account within
- 2) Deduct amount to be held in reserve being percent Rs.....
- 3) " Balance

4) Deduct Payment:

- a) Amount of previous payment as in the Office Cash Book Voucher

No.....Dated.....S.D. No..... Amount

adjusted towards cash advance recovery of

- b) Payments } cost store or other material supplied.
Now made } recovery of amount creditable to this/other work
Amount paid on this bill Cheque / Cash.

- 5) Balance being unpaid value of work done held in reserve.
- 6) Deduct cash advance made on the Office cash Book Voucher No.....
dated.....less adjustments.
- 7) Net amount due to or from Contractor
unadjustments items.
- 8) Advance to Contractor for materials brought to site (as detailed) within.
- 9) Value of Government materials supplied.

Total amount adjusted -

Contractor's Signature

Received Rs..... (in words).....

by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Dated

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Assistant Executive Engineer,
R.R. Nagar Sub-division,
KRIDL, BBMP, Bangalore

Stamp

Assistant Executive Engineer,
R.R. Nagar Sub-division,
KRIDL, BBMP, Bangalore

Initials of Officer making payment

Executive Engineer

Sl. No.	Descriptions	Previous Measurement	
		Qty.	Unit
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications and directions of engineer in charge of the work	S	-
2	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and directions of engineer in charge of the work	Cu	-
3	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.57cum and fine aggregates @0.892cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of engineer in charge of the work	Cu	-
4	KSRRB M300-53: construction of embankment with approved material gravel/murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murum, watering charges & compaction by vibratory roller) MORTH specification complete as per specifications and directions of engineer in charge of the work	Cu	-
5	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications and directions of engineer in charge of the work	Cum	-
6	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications and directions of engineer in charge of the work	Sqm	-
7	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of engineer in charge of the work	cum	-
8	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and directions of engineer in charge of the work	Sqm	-
9	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications and directions of engineer in charge of the work	Sqm	-
10	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc,complete as per specifications and directions of engineer in charge of the work	Sqm	-
11	KSRB 15-17.5: Applying priming coat over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications and directions of engineer in charge of the work	Sqm	-
12	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications and directions of engineer in charge of the work	-	-
13	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications and directions of engineer in charge of the work	Sqm	-
14	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and directions of engineer in charge of the work	Sqm	-

	Previous Measurement		Present Measurement			Total Upto Date		Remarks
	Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
Arbubs, saplings s, disposal of fications and	Sq -	-	820.00	10.60	8692.00	820.00	8692.00	
horizontal throw the disposed neer in charge	Cu -	-	404.35	137.80	55719.00	404.35	55719.00	
ent at 180kgs, es @0.57cum on and plinth, d directions of	Cu -	-	84.00	5408.12	454282.00	84.00	454282.00	
s and leads, 0-2 complete ratory roller)	Cum -	-	81.87	344.50	28204.00	81.87	28204.00	
ement mortar each course charge of the	cum -	-	109.00	4871.76	531022.00	109.00	531022.00	
ement mortar part in each engineer in	Sqm -	-	140.74	5811.98	817978.00	140.74	817978.00	
@ 220kgs, @0.56cum and plinth, directions of	cum -	-	68.00	5627.54	382673.00	68.00	382673.00	
les than 35 e 40x20x20 ding, curing	Sqm -	-	331.30	966.72	320274.00	331.30	320274.00	
deep, after ete as per	Sqm -	-	341.18	223.66	76308.00	341.18	76308.00	
and bottom nd finishing ry, loading arge of the	Sqm -	-	2000.00	432.48	864960.00	2000.00	864960.00	
he surface at including	Sqm -	-	270.00	53.00	14310.00	270.00	14310.00	
ce and / or nd foreign f engineer	-	-	270.00	102.82	27761.00	270.00	27761.00	
ement and re strength ving 3 tons n of paver ations and	Sqm -	-	460.50	1105.65	509152.00	460.50	509152.00	
ow steel or gn matter, he work	Sqm -	-	1022.74	100.70	102990.00	1022.74	102990.00	

15	Providing and fixing Cement Concrete Benches with Base, Back rest and Pedestals of size, Shape and Design as per drawing. Including Transportation and with lead and lift, loading and unloading, Earthwork excavation and fixing in 1:2 cement mortar (wherever necessary) and curing etc., complete as per standard Specification and direction of engineer in charge
16	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, grinding the edge to half/full round wherever required, labour, curing complete as per specifications and directions of engineer in charge of the work
17	Supply and Fixing of Pull Down Challenger. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must carry a GS mark on it.
18	Supply and fixing of Seated Chest Press. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel (Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must carry a GS mark on it.
19	Supply and fixing of Self Weighted Rower. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards only by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must carry a GS mark on it. Size L
20	Supply and fixing of Elliptical Cross Trainer. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. The certificates must be attached with the tender document. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates.

-	-	15.00	10510.00	157650.00	15.00	157650.00	
-	-	265.64	1305.92	346905.00	265.64	346905.00	
-	-	1.00	260544.00	260544.00	1.00	260544.00	
-	-	1.00	230000.00	230000.00	1.00	230000.00	
-	-	1.00	165000.00	165000.00	1.00	165000.00	
-	-	1.00	140000.00	140000.00	1.00	140000.00	

21	Supply and Fixing of Rider. Metal: All tubular steel of 2.smm thickness are galvd 1 ilzed and zinc dipped . Joints are Robotic welded. All weldect joints are scalloped as necessary and welded to an approved MIG proi;ess. .<\11 welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing.All metal parts are powder Clated using AKZO Nobel-G reat Wall powder to the thickness of 80-120 microns. All lletal parts are tested in our sa lt spray machine that uses a 5% NaCl solution in accorcJ<ince to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. 5 Bearings : Maintenance-free ball bearings...Scope of c:l livery: 1completely pre-assembled equipment modules. Maintenance: Maint<1in according to EN 16630 a nd the maintenance guide. Safety: Alf products must b tested and certified to meet EN16630 safety standards with GS test mark. The EN! 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV ,CPSC, or SGS only. The GS Mark- EN16630 Certificate must be in the name of tendering party and not any 3rd party. All products 'hust clearly display
22	Supply and Fixing of Bicycle. Metal: All tubular steel of 25mm thickness are galvani zed and zinc dipped. Joints are Robotic welded. All welded joint s are S('lloped as necessary and w eldea to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the wetlling points prior to finishing.All metal parts are powder coated using AKZO Nobel GreatWall powder to the thickness of 80- 120 microns. All metal parts are tested in our salt v pray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up -orrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. each 1 125000 125000 131188 131188 134500 134500 Bearings: Maintenance-free ball bearings . Scope of delivery: 1completely pre assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to mee t EN16630 safety standards only by a reputed notified international certifying acency such as IPEMA,TUV,CPSC, or SGS. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. Size L x W x H): 1000 x 498 x 120
23	Supply and Fixing of Arm & Pedal Bike. Metal: All tubular steel of 2.Smm thickness a re galvanized and zinc dipped.Joints are Robotic welded.All welded joints are sca lloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles.Bearings : Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide.Safety : All products must be tested anEI certified to meet EN16630 safety standards only by a reputed notified international certifying acency such as IPEMA,TUV, CPSC, or SGS. The GS Mark- EN16630 Certificates must be in t he name of tendering party and not any 3rd
24	Supply and Fixing of Tai Chi Spinners . Metal: All tubular steel of 2.Smm thicknp<.s are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are sc;lloped as neccessa ry and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the w eldin points prior to finishing. All metal parts are powder coated using AKZO Nobel G reat Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to JS07227 to speeu up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance -free ball bearings. Scope of delivery: 1completely pre-assembled equipment modules. Maintena nce:Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUY, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. Thecertificates must be attached with the tender document . All products must clearly -display the GS mark
25	Supply and fixing of Twist Stepper. Metal: All tubular steel of 2.Smrn thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are sca lloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-GreatWall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark.The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV ,CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must

-	-	1.00	90000.00	90000.00	1.00	90000.00	
-	-	1.00	125000.00	125000.00	1.00	125000.00	
-	-	1.00	170000.00	170000.00	1.00	170000.00	
-	-	1.00	115000.00	115000.00	1.00	115000.00	
-	-	1.00	180000.00	180000.00	1.00	180000.00	

26	Supply and fixing of HD Health Walker. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. 11 Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EQ and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. The certificates must be attached with the tender document. All products must clearly display the GS mark as has been	
27	Supply and fixing of HD Waist Twister. Metal: All tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1 completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS	Each
28	Providing, fabricating and fixing Special Multiplay Systems consists of FRP moulded with Aluminium chequered platforms of size 5x5 ft with 4 support pillar made out of 75 mm dia G.I "B" pipes fixed in cement concrete 1:2:4. The platforms are to be covered with pyramid shaped FRP roof. The platform is to be with tubular slide & Mini Aquva tunnel Slide made up of high quality FRP the slide is to be fixed at a height of 11ft and runs for a length of not less than twenty ft and the slide should be supported at regular intervals of 6ft using M.S pipes support and the platform ladder with 25mm dia MS pipes with suitable hand rails and steps made out of G.I sheet with tread 4" with powder coated finish, fine quality FRP with suitable design and as per drawing Moulded FRP slides are non-corrosive, fade free, tough grade, durable hard and should prevent uv light. The work should be executed as per the standard specifications and directions of the engineer in charge with all lead and lift, loading and unloading and any incidental charge required for	Each
29	KSRRB M2700-4. Providing, fitting and fixing mild steel railing complete as per drawing and Technical Specification complete as per specifications MORTH Specification No. 2703.2, 1900 (Page No 247 Item No 32.4 of PWD SR 2018-19)	Rmt
30	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.460 cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, column spalls, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (P.No.14, I.No.4.11 of PW, P&I WTD S.R 2018-19)	Cum
31	Fabricating, supplying and erection of ... Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for Mtrs pole in single section and single joint welded as per IS 9595/IS 10178 AWS having dimensions bottom mm, top mm with 3mm thick, suitable base plate and 4 Nos of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65 micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended. 7 meters - Top 75mm and bottom 145 mm dia	Each
32	Supplying of 1.1 KV class UG cable in having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class (P.No.55, I.No.7.4)	Mtrs
33	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB I-2, P-7) P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15	Mtrs
34	Labour charges for laying of UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. P No. 61 / I. No. 7.8.1 6 Sqmm to 16 Sqmm KPWD Electrical SR 2014-15	Mtrs
35	Supplying and fixing of heavy duty cable glands suitable or UG cable of 1.1KV class (metal only) (P.No.62, I.No.7.14)	Each

					1.1 00	116.00	
Ea	-	-	1.00	140000.00	140000.00	1.00	140000.00
Eac	-	-	1.00	130000.00	130000.00	1.00	130000.00
Each	-	-	1.00	595000.00	595000.00	1.00	595000.00
Rmt	-	-	120.00	2796.28	335554.00	120.00	335554.00
Cum	-	-	1.56	5998.54	9358.00	1.56	9358.00
Each	-	-	14.00	15241.82	213385.00	14.00	213385.00
Mtrs	-	-	500.00	128.97	64485.00	500.00	64485.00
Mtrs	-	-	500.00	92.28	46140.00	500.00	46140.00
Mtrs	-	-	500.00	11.72	5860.00	500.00	5860.00
Each	-	-	14.00	93.36	1307.00	14.00	1307.00

36	Supplying tinnd copper lugs and crimping and wiring to terminal point for wire I.No.7.21)	
37	Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octa pole using necessary bolts, nuts etc., complete.Single Arm Bracket with 1500mm Standard 40/50MM dia(P.N. I.No.5.18.2)	
38	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with t. transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK07. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 kV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with out dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application.)Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. 2)110	
39	Supply, installtion, testing and commissioning of STREET LIGHT PANEL made up of 16SWG CRCA sheet for body and 14 SWG CRCA sheet for door, outdoor type, floor mounting, powder coated,Degree of projection IP56, with necessary hard ware, interconnection wiring & accessories complete comprising of the following Incomming : 63A 4P 10KA MCB + 2 nos. 32A 3P AC1 contactor + 2 nos. 24hrs Timer Outgoings :18	E.
40	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqn
41	KSRRB M100-2. Loading and Unloading of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17.1/ PWD SR 2018-19	Cum
Grand Total		
12% Applicable GST		
For 3% KRIDL Charges		
Add 1% Labour Cess		

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

